



DEPARTMENT OF PERMITTING, ENVIRONMENT, AND REGULATORY  
AFFAIRS (PERA)  
BOARD AND CODE ADMINISTRATION DIVISION

## NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY  
PRODUCT CONTROL SECTION  
11805 SW 26 Street, Room 208  
Miami, Florida 33175-2474  
T (786) 315-2590 F (786) 315-2599  
[www.miamidade.gov/pera/](http://www.miamidade.gov/pera/)

**Cornell Iron Works, Inc.**  
**24 Elmwood Avenue**  
**Mountaintop, PA 18707**

**SCOPE:** This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County PERA -Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. PERA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

### **DESCRIPTION: Steel Roll-up Door up to 25'-5" Wide**

**APPROVAL DOCUMENT:** Drawing No. **ES16-3**, titled "Dade County Approved 25'-5" wide 60 psf Rolling Steel Door", sheets 1 and 2 of 2, dated 06/27/2002, with revision F dated 11/23/2010, prepared by Cornell Iron Works, Inc, signed and sealed by Joseph H. Dixon, Jr., P.E., bearing the Miami-Dade County Product Control revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

### **MISSILE IMPACT RATING: Large and Small Missile Impact Resistant**

**LABELING:** A permanent label with the manufacturer's name or logo, manufacturing address, model number, the positive and negative design pressure rating, indicate impact rated if applicable, installation instruction drawing reference number, approval number (NOA), the applicable test standards, and the statement reading 'Miami-Dade County Product Control Approved' is to be located on the door's side track, bottom angle, or inner surface of a panel.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA **revises** NOA # **10-1209.03** and consists of this page 1 and evidence page E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by **Carlos M. Utrera, P.E.**



*[Signature]*  
04/10/2012

NOA No. 12-0206.13  
Expiration Date: December 19, 2012  
Approval Date: April 19, 2012  
Page 1

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS *"Submitted under NOA # 10-1209.03"***

1. Drawing No. **ES16-3**, titled "Dade County Approved 25'-5" wide 60 psf Rolling Steel Door", sheets 1 and 2 of 2, dated 06/27/2002, with revision F dated 11/23/2010, prepared by Cornell Iron Works, Inc, signed and sealed by Joseph Dixon, Jr., P.E.

**B. TESTS *"Submitted under NOA # 10-1209.03"***

1. Test reports on 1000 hours of Salt Spray per ASTM B117 of G-90 and G-40 painted samples, prepared by Intertek, Test Report No. **G100075502**, dated 05/26/2010, signed and sealed by Rick Curkeet, P.E.

***"Submitted under NOA # 02-0814.01"***

2. Test report on Large Missile Impact Test per PA 201, Cyclic Wind Pressure Test per PA 203 and Uniform Static Air Pressure Test per PA 202 on a "Steel Roll-Up Service Door", prepared by Architectural Testing, Inc., Test Report No. **01-39587.05**, dated 04/30/2002, signed and sealed by A. N. Reeves, P.E.
3. Test report Tension Test per ASTM E8 on 0.036" Galvanized Steel, prepared by Architectural Testing Inc., Test Report No. **01-39587.06**, dated 04/30/2002, signed and sealed by A. N. Reeves, P.E.

**C. CALCULATIONS *"Submitted under NOA # 10-1209.03"***

1. Between-jamb guide anchoring calculations and structural analysis, dated 11/13/2010, prepared, signed and sealed by Joseph H. Dixon, Jr., P.E.

***"Submitted under NOA # 09-0210.06"***

2. Structural Calculations prepared by Joseph H. Dixon, Jr. PE, dated 01/30/2009, sheets 1 through 17, signed and sealed by Joseph H. Dixon, Jr., P.E.

**D. QUALITY ASSURANCE**

1. Miami-Dade Department of Permitting, Environment, and Regulatory Affairs (PERA)

**E. MATERIAL CERTIFICATIONS**

1. None.

**F. STATEMENTS**

1. Statement letter of code conformance to 2010 FBC, dated 01/25/2012, signed and sealed by Joseph H. Dixon, Jr., P.E.

***"Submitted under NOA # 10-1209.03"***

2. Statement letter of no financial interest, dated 12/06/2010, signed and sealed by Joseph H. Dixon, Jr., P.E.

  
04/10/2012

Carlos M. Utrera, P.E.

Product Control Examiner

NOA No. 12-0206.13

Expiration Date: December 19, 2012

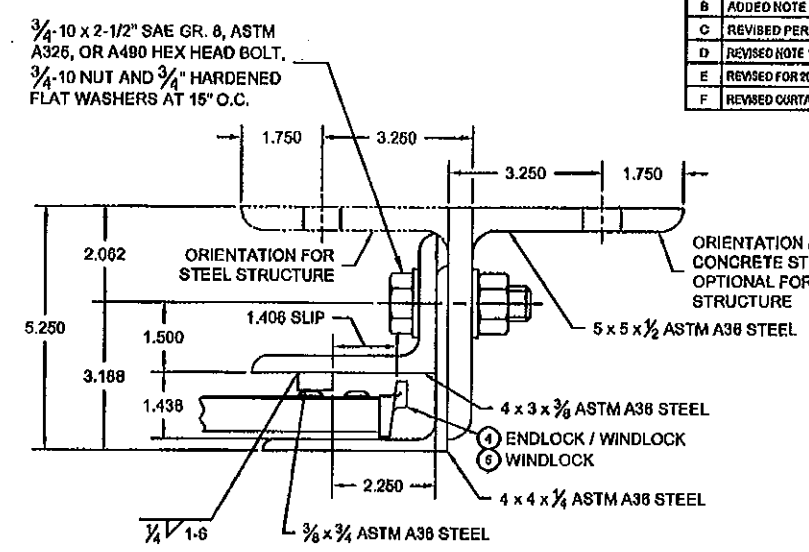
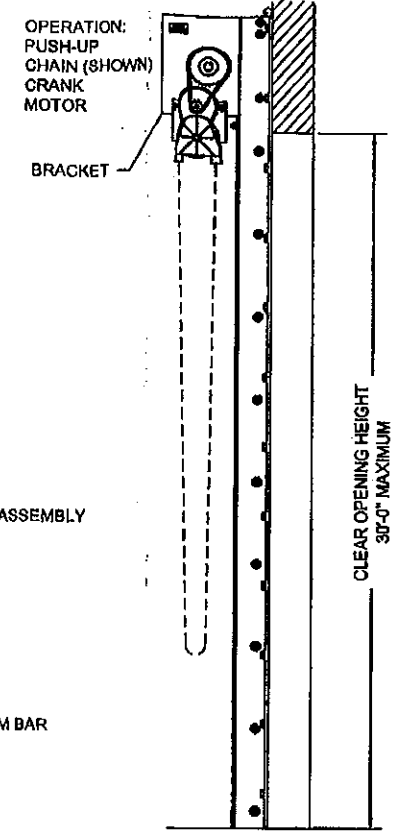
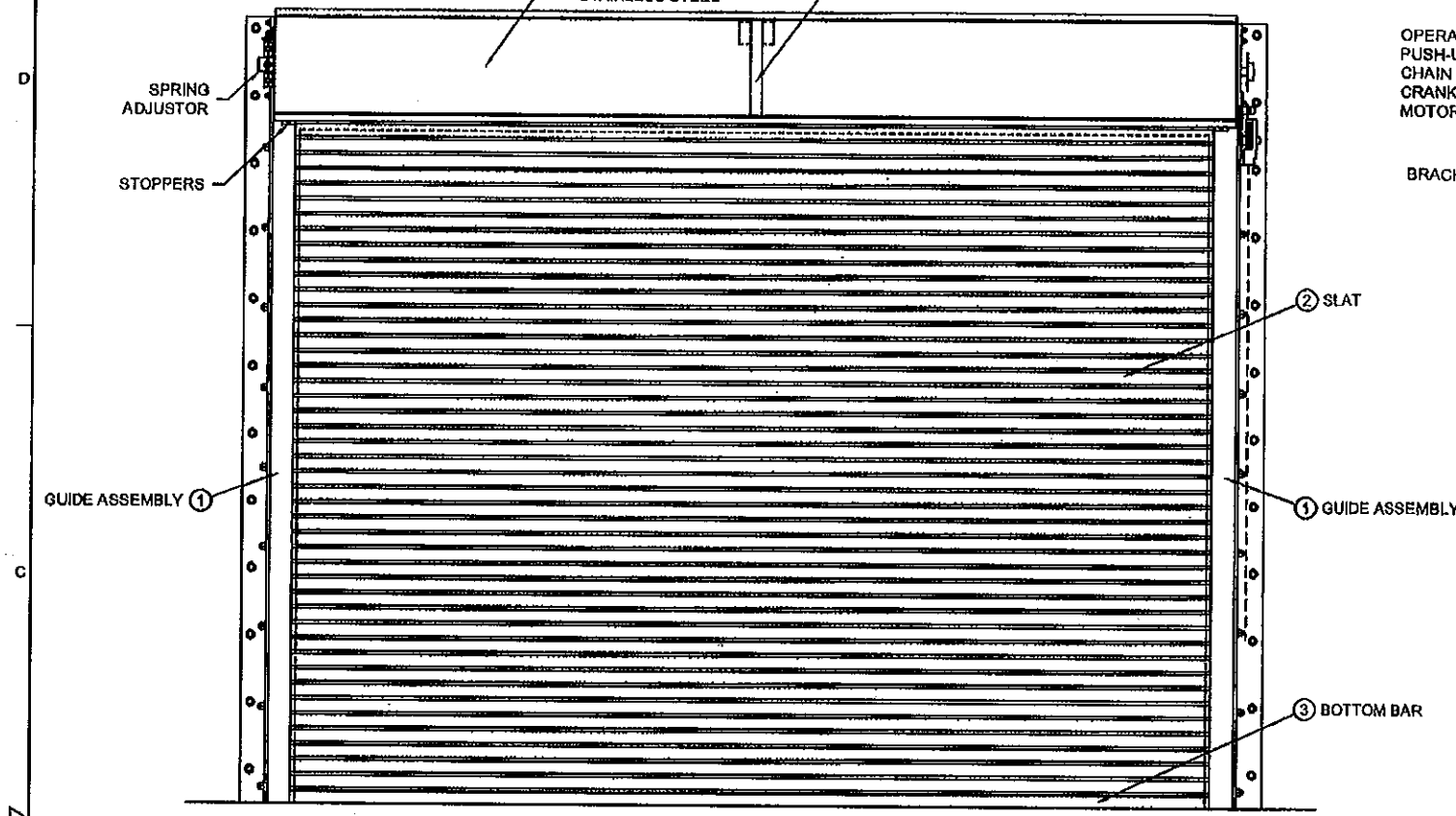
Approval Date: April 19, 2012

HOOD  
#24 GA. MINIMUM  
GALVANIZED OR  
STAINLESS STEEL

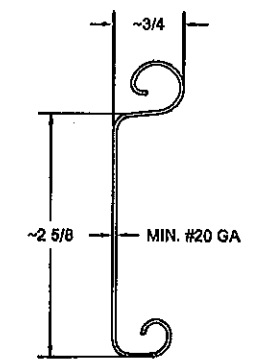
HOOD SUPPORT, WHEN REQUIRED

ROLL-UP MECHANISM NOT INCLUDED IN THIS  
APPROVAL. MUST BE CERTIFIED BY AN INDEPENDENT  
TESTING AGENCY IF REQUIRED.

LTR	REVISION	DATE	BY	E.C.O.
A	ORIGINAL ISSUE	08/27/02	BRK	0945
B	ADDED DRAWING NUMBER	11/04/02	BRK	0945
C	ADDED NOTE 10	08/13/2005	R.M.	1197
D	REVISED PER DADE COUNTY NOTES	05/15/2006	R.M.	1197
E	REVISED NOTE 1 TO INCLUDE 2005 & 2006 SUPPLEMENTS	07/30/2007	R.M.	1197
F	REVISED FOR 2007 FLORIDA BUILDING CODE	10/08/2008	DPR	1197
G	REVISED CURTAIN TO G40 GALVANIZED	11/23/2010	R.M.	1197

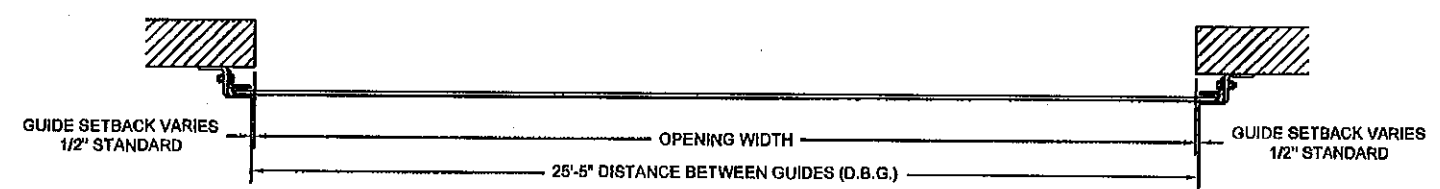


① GUIDE ASSEMBLY DETAIL  
1/2 SCALE



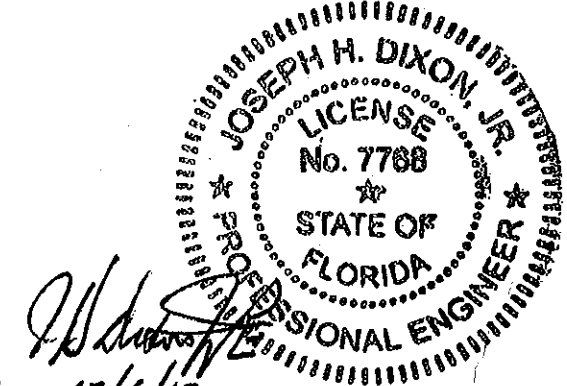
② SLAT DETAIL  
TYPICAL SECTION

ASTM A553 HSLA8 TYPE B GRADE 40 G40 OR  
ASTM A553 HSLA8 TYPE A GRADE 40 G40 OR  
ASTM A553 STRUCTURAL STEEL GRADE 40 G40  
OR TYPE 304 / UNS 30400 STAINLESS STEEL (MIN. YIELD 40,000 psi)  
OR TYPE 430 / UNS 43000 STAINLESS STEEL (MIN. YIELD 40,000 psi)  
OR TYPE 201 / UNS 20100 STAINLESS STEEL (MIN. YIELD 40,000 psi)  
FULL SCALE

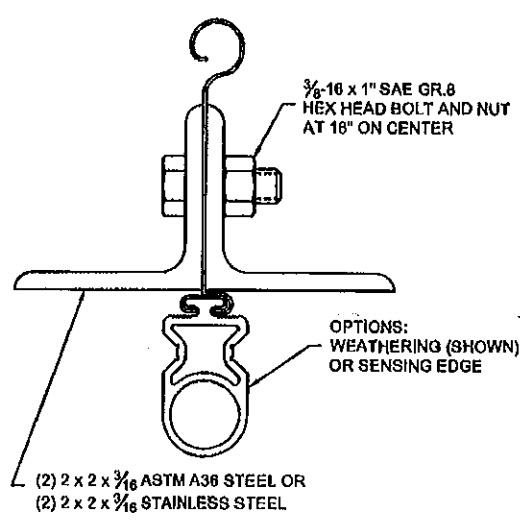


**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
Acceptance No. 10-1209.03  
Expiration Date 12/19/2012  
By *[Signature]*  
Miami Trade Product Control

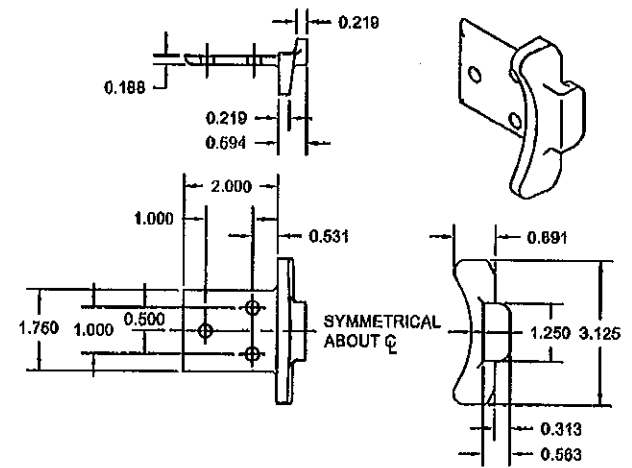
**PRODUCT REVISED**  
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By *[Signature]*  
Miami Trade Product Control



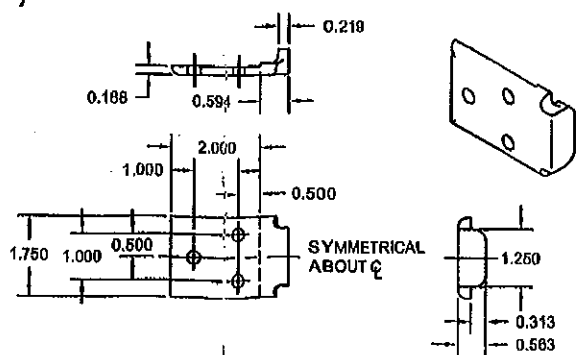
- NOTES:
- THIS ROLL-UP DOOR SYSTEM IS DESIGNED IN ACCORDANCE WITH THE LATEST EDITION FLORIDA BUILDING CODE, AS A LARGE MISSILE IMPACT RESISTANT SYSTEM.
  - POSITIVE AND NEGATIVE DESIGN PRESSURE CALCULATIONS SHALL BE PERFORMED FOR SPECIFIC JOBS IN ACCORDANCE WITH ASCE 7. MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES. WIND LOADS DETERMINED FOR OPENINGS SHALL BE LESS THAN OR EQUAL TO DOOR DESIGN PRESSURES NOTED BELOW.
  - THE DETAILS AND SPECIFICATIONS SHOWN HEREIN REPRESENT THE PRODUCTS TESTED FOR UNIFORM STATIC AIR PRESSURE IN CONFORMANCE WITH DADE COUNTY PROTOCOLS TAB 201, 202 AND 203.  
POSITIVE DESIGN LOAD = 60 PSF  
NEGATIVE DESIGN LOAD = 60 PSF
  - TESTING PERFORMED BY ARCHITECTURAL TESTING, INC. (YORK, PENNSYLVANIA) TEST REPORT No. 01-39587.05 AND 01-39587.06.
  - SUPERIMPOSED LOADS ON THE JAMBS FROM THIS DOOR ARE DESIGNATED AS F1, F2, AND F3 HEREIN. CONTRACTORS SHALL HAVE FLORIDA REGISTERED PROFESSIONAL ENGINEER VERIFY ADEQUACY OF BUILDING STRUCTURE TO RESIST SUPERIMPOSED LOAD F1, F2, AND F3.
  - ALL WELDING SHALL BE PERFORMED BY QUALIFIED WELDERS IN ACCORDANCE WITH AWS SPECIFICATIONS, LATEST EDITION. ALL WELDING ELECTRODES SHALL CONFORM TO AWS A5.1, GRADE E-70. MINIMUM WELDING PROCESS SHALL BE ARC WELDING AWS E7014 OR MIG WELDING AWS E705-6.
  - ANCHOR NOTES:  
A. EMBEDMENT DEPTH DOES NOT INCLUDE STUCCO FINISH.  
B. ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS.
  - DOOR MAY BE INSTALLED ON THE INSIDE OR OUTSIDE OF AN EXTERIOR WALL.
  - A 33% INCREASE IN ALLOWABLE STRESS HAS NOT BEEN USED IN THE DESIGN OF THIS PRODUCT.



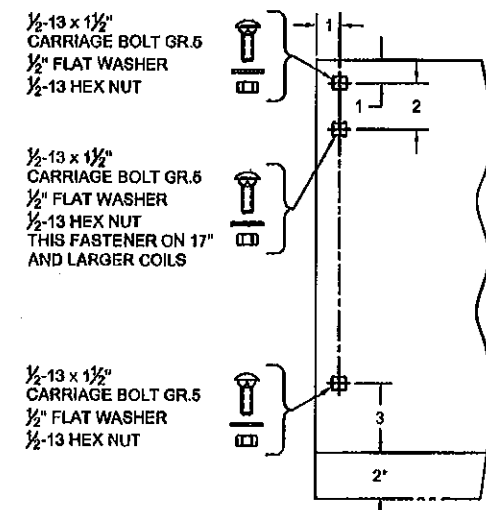
③ BOTTOM BAR DETAIL  
TYPICAL SECTION  
FULL SCALE



④ ENDLOCK / WINDLOCK DETAIL  
FERRITIC MALLEABLE IRON PER ASTM A47 - GRADE 32510  
OR DUCTILE IRON PER ASTM A536 GRADE 65-45-12, GALVANIZED  
IN ACCORDANCE WITH ASTM A153, G90 ZINC COATING.  
1/2 SCALE



⑤ WINDLOCK DETAIL  
FERRITIC MALLEABLE IRON PER ASTM A47 - GRADE 32510  
OR DUCTILE IRON PER ASTM A536 GRADE 65-45-12, GALVANIZED  
IN ACCORDANCE WITH ASTM A153, G90 ZINC COATING.  
1/2 SCALE



⑥ BRACKET MOUNTING DETAIL  
0.172 MIN. THICKNESS  
1/2" EXTENSION WHEN 8" AND LARGER SHAFT ASSEMBLY IS SUPPLIED  
1/2 SCALE

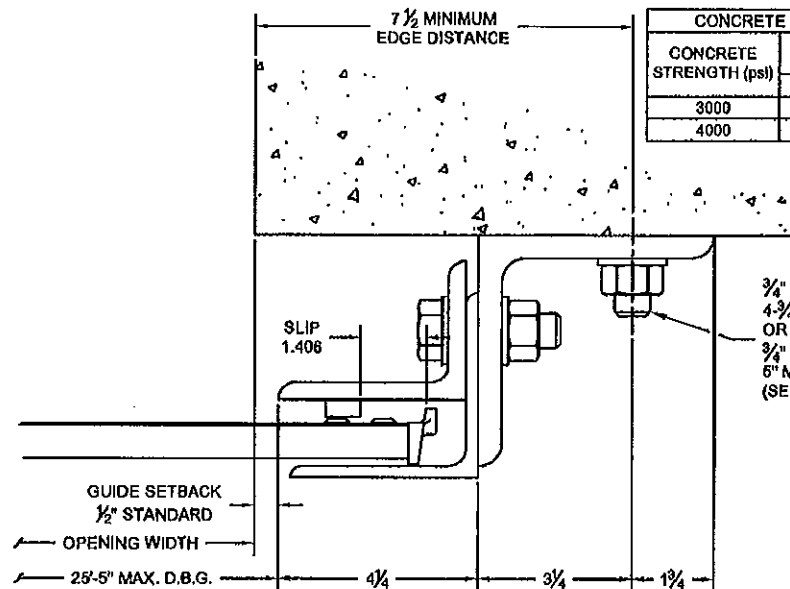
**CORNELL** 100 ELMWOOD AVENUE  
CRESTWOOD INDUSTRIAL PARK  
MOUNTAINTOP, PA 18707

TITLE  
DADE COUNTY APPROVED  
25'-5" WIDE 60 PSF  
ROLLING STEEL DOOR

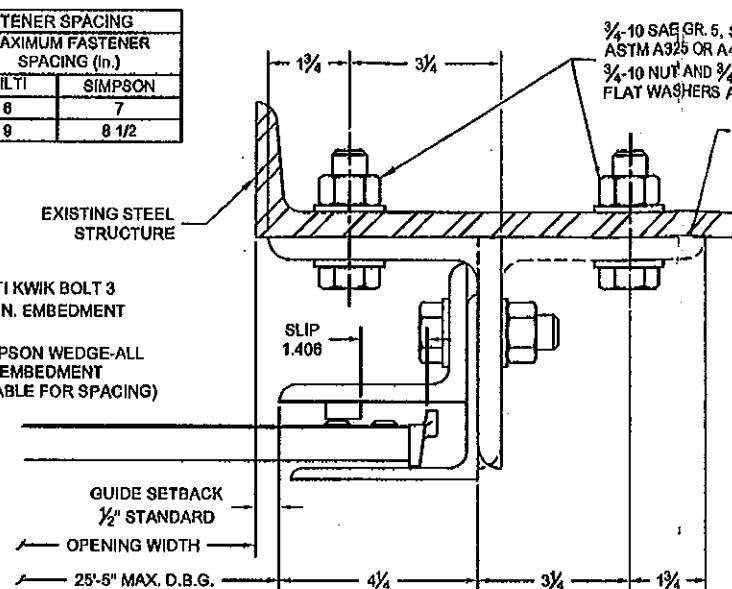
SIZE DRAWN DWS NO  
D B. KATCHUR ES16-3-01 REV  
SCALE AS NOTED SHEET 1 OF 2

LTR	REVISION	DATE	BY	E.C.O.
*	ORIGINAL ISSUE	08/27/02	BRK	0945
A	ADDED DRAWING NUMBER, ADDED SLIP TO GUIDE DETAILS	11/04/02	BRK	0945
B	REVISED MASONRY FASTENERS.	06/19/2005	R.M.	1197
C	REVISED PER DADE COUNTY	05/16/2006	R.M.	1197
D	REVISED NOTES ON PAGE 1	07/30/2007	R.M.	****
E	REVISED FOR 2007 FLORIDA BUILDING CODE	10/08/2008	BPR	****
F	ADDED OPTIONAL BETWEEN JAMBS GUIDE MOUNTING TO STEEL	11/23/2010	R.M.	****

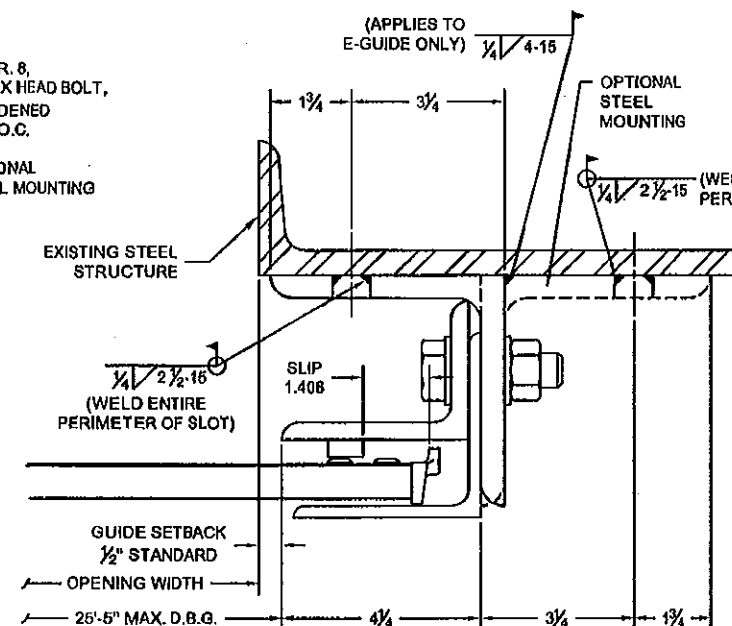
CONCRETE STRENGTH (psi)	CONCRETE FASTENER SPACING	
	HILTI	SIMPSON
3000	8	7
4000	9	8 1/2



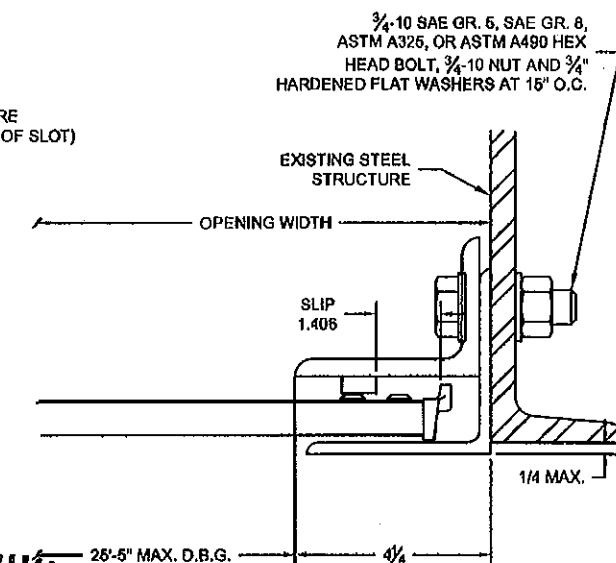
GUIDE ASSEMBLY  
CONCRETE STRUCTURE



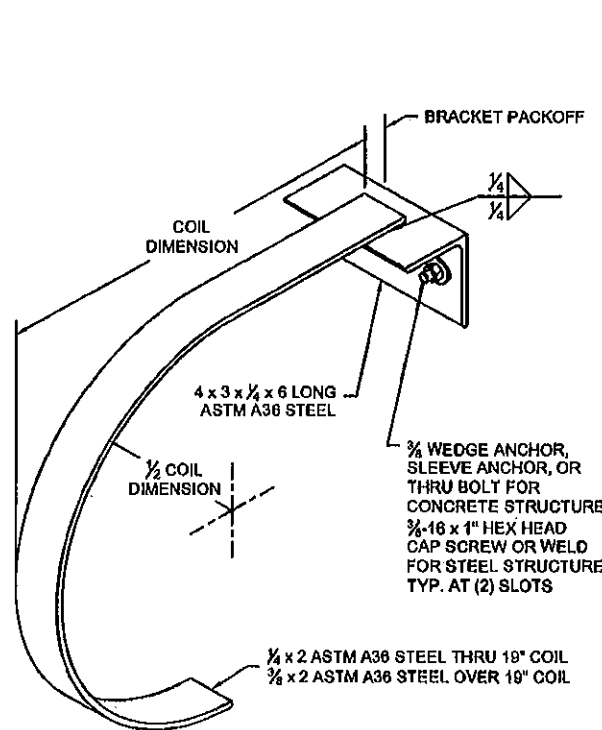
GUIDE ASSEMBLY  
STEEL STRUCTURE



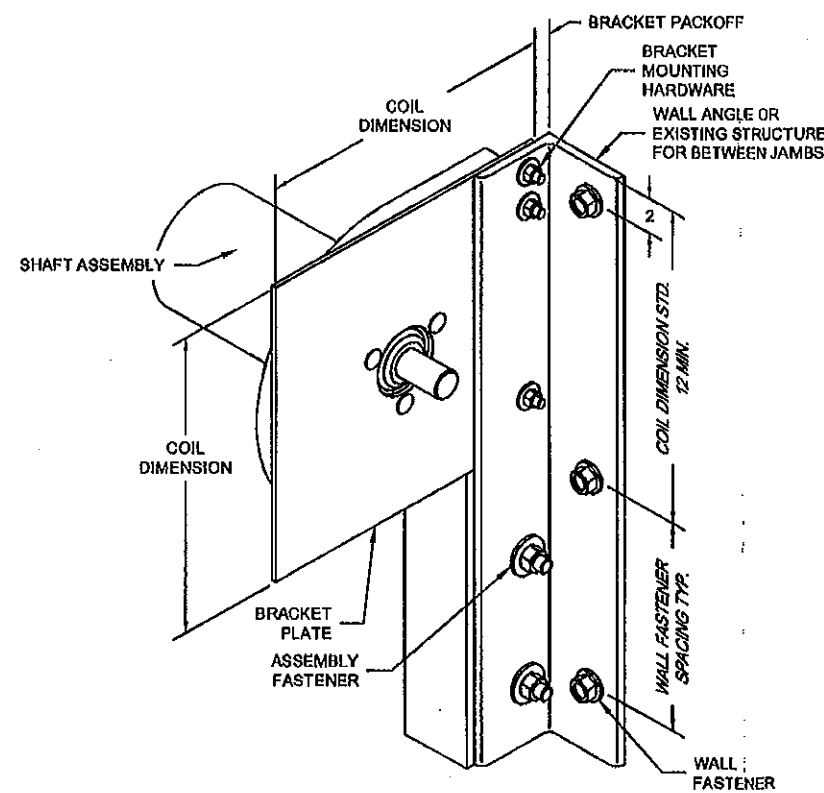
GUIDE ASSEMBLY  
STEEL STRUCTURE



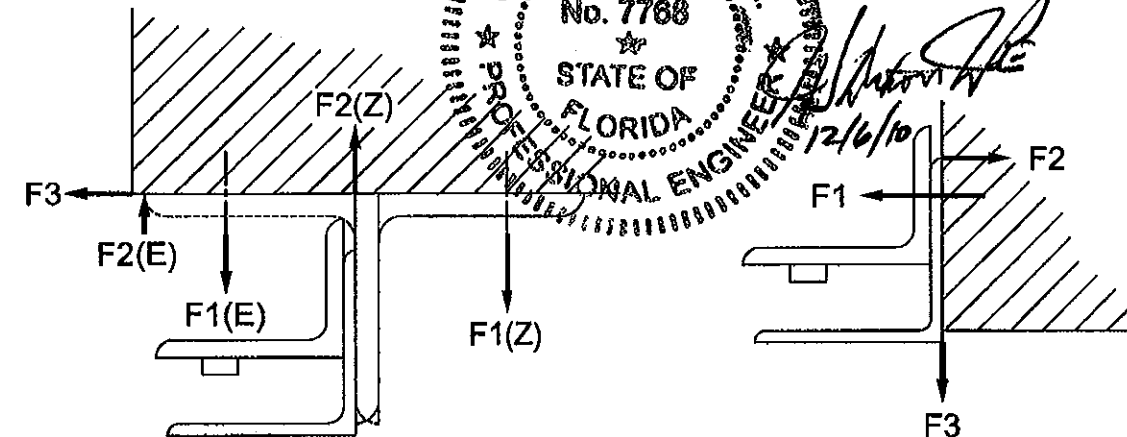
GUIDE ASSEMBLY  
STEEL STRUCTURE  
(BETWEEN JAMBS GUIDE)



① MID-HOOD SUPPORT  
(WHEN REQUIRED)  
D-SHAPE DEPICTED, SQUARE STYLE ALSO AVAILABLE  
SCALE: NTS



BRACKET MOUNTING / TOP WALL ANGLE FASTENING  
BRACKET MOUNTING PER DETAIL & DEPICTED,  
OTHER BRACKET MOUNTINGS ARE AVAILABLE  
SCALE: NTS



UNREDUCED WIND FORCES ON BUILDING STRUCTURE (LBS / FOOT OF HEIGHT)																	
Z-GUIDE						E-GUIDE						BETWEEN JAMBS GUIDE					
POSITIVE			NEGATIVE			POSITIVE			NEGATIVE			POSITIVE			NEGATIVE		
F1	F2	F3	F1	F2	F3	F1	F2	F3	F1	F2	F3	F1	F2	F3	F1	F2	F3
2844	1881	3079	4493	5255	3079	8870	8108	3079	8383	7146	3079	5859	2774	782	13282	10177	762

BUILDING DESIGNER NOTE:  
STRUCTURE MUST BE DESIGNED TO SUPPORT F1, F2, AND F3 FORCES (LBS./FT. OF OPENING HEIGHT) AT EACH JAMB.

**PRODUCT REVISED**  
as complying with the Florida  
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By *[Signature]*  
Miami Dade Product Control

By *[Signature]*  
Miami Dade Product Control

**CORNELL**  
100 ELMWOOD AVENUE  
CRESTWOOD INDUSTRIAL PARK  
MOUNTAIN TOP, PA 18707

DADE COUNTY APPROVED  
25'-5" WIDE 60 PSF  
ROLLING STEEL DOOR

SIZE: DRAWN: DWS NO: ES16-3-02  
D B. KATCHUR  
SCALE: AS NOTED

REV: F  
SHEET 2 OF 2